



(19)

(11) Publication number: **20**

Generated Document.

**PATENT ABSTRACTS OF JAPAN**(21) Application number: **10259377**(51) Intl. Cl.: **B41J 29/38 G06F 3/12 G06**(22) Application date: **28.08.98**

|  |  |
|--|--|
| (30) Priority:<br>(43) Date of application publication: <b>07.03.00</b><br>(84) Designated contracting states: | (71) Applicant: <b>RICOH CO LTD</b><br>(72) Inventor: <b>WATANABE YOSHIK</b><br>(74) Representative: |
|--|--|

**(54) PRINTER MANAGING  
SYSTEM AND METHOD  
FOR MANAGING PRINTER**

(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a printer managing system having a print server device capable of obtaining status information of a printer which is controlled by a variety of protocols and to provide a method for managing the printer.

**SOLUTION:** This server device 1 consists of a system control section 11, an LAN/WAN communication control section 12, a request operating section 13, a printer information storing section 14, a protocol processing section 15 and a printer status obtaining section 16. Those sections are connected with a system bus 17. A status obtaining request is received at the LAN/WAN communication control section 12 to be transmitted to the protocol processing section 15. The request operating section 13 receives a notice

of the status obtaining request from the protocol processing section 15 to provide the notice to the printer status obtaining section 16. The printer information storing section 14 stores an access protocol for a printer into a printer information table and the protocol processing section 15 executes communication and analysis of each protocol. The printer status obtaining section 16 fetches the protocol information stored in the printer information table and retrieves the protocol to obtain the status of the printer.

COPYRIGHT: (C)2000,JPO

